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 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2           "Ask CAS" for self-help around the clock
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                   has been enhanced and reloaded
 NEWS  4  OCT 30   CHEMLIST enhanced with new search and display field
 NEWS  5  NOV 03   JAPIO enhanced with IPC 8 features and functionality
 NEWS  6  NOV 10   CA/CAplus F-Term thesaurus enhanced
 NEWS  7  NOV 10   STN Express with Discover! free maintenance release Version
                   8.01c now available
 NEWS  8  NOV 20   CAS Registry Number crossover limit increased to 300,000 in
                   additional databases
 NEWS  9  NOV 20   CA/CAplus to MARPAT accession number crossover limit increased
                   to 50,000
 NEWS 10  DEC 01   CAS REGISTRY updated with new ambiguity codes
 NEWS 11  DEC 11   CAS REGISTRY chemical nomenclature enhanced
 NEWS 12  DEC 14   WPIDS/WPINDEX/WPIX manual codes updated
 NEWS 13  DEC 14   GBFULL and FRFULL enhanced with IPC 8 features and
                   functionality
 NEWS 14  DEC 18   CA/CAplus pre-1967 chemical substance index entries enhanced
                   with preparation role
 NEWS 15  DEC 18   CA/CAplus patent kind codes updated
 NEWS 16  DEC 18   MARPAT to CA/CAplus accession number crossover limit increased
                   to 50,000
 NEWS 17  DEC 18   MEDLINE updated in preparation for 2007 reload
 NEWS 18  DEC 27   CA/CAplus enhanced with more pre-1907 records
 NEWS 19  JAN 08   CHEMLIST enhanced with New Zealand Inventory of Chemicals
 NEWS 20  JAN 16   CA/CAplus Company Name Thesaurus enhanced and reloaded
 NEWS 21  JAN 16   IPC version 2007.01 thesaurus available on STN
 NEWS 22  JAN 16   WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
 NEWS 23  JAN 22   CA/CAplus updated with revised CAS roles
 NEWS 24  JAN 22   CA/CAplus enhanced with patent applications from India

 NEWS EXPRESS  NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

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FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007

=> file uspatall
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.21       0.21
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FILE 'USPATFULL' ENTERED AT 22:12:44 ON 26 JAN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

=> s (shaving system or shaving stri)
L1          376 (SHAVING SYSTEM OR SHAVING STRI)

=> s (shaving system or shaving strip)
L2          383 (SHAVING SYSTEM OR SHAVING STRIP)

=> s (shaving system or shaving strip)/clm
L3          118 (SHAVING SYSTEM OR SHAVING STRIP)/CLM

=> s (water-sensitive polymer or hydrophillic polymer)
L4          257 (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)

=> s (water-sensitive polymer or hydrophillic polymer)/clm
L5           46 (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM

=> s (water-insoluble polymer or hydrophobic polymer)
L6        11167 (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)

=> s (water-insoluble polymer or hydrophobic polymer)/clm
L7         2607 (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM

=> s (chelat? or EDTA or potassium citrate or sodium metasilicate)
L8       193327 (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)

=> s (chelat? or EDTA or potassium citrate or sodium metasilicate) /cl
'CL' IS NOT A VALID FIELD CODE
'CL' IS NOT A VALID FIELD CODE
L9            0 (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)

=> s (chelat? or EDTA or potassium citrate or sodium metasilicate)/clm
L10       18816 (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)/CL
                M

=> d his

     (FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

     FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007
L1           376 S (SHAVING SYSTEM OR SHAVING STRI)
L2           383 S (SHAVING SYSTEM OR SHAVING STRIP)
L3           118 S (SHAVING SYSTEM OR SHAVING STRIP)/CLM
L4           257 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)
L5            46 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM
L6         11167 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)
L7          2607 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM
L8        193327 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L9             0 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L10        18816 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)

=> s l4 and l6 and l8
L11          10 L4 AND L6 AND L8

=> s l2 and l11
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```
L12           1 L2 AND L11

=> d

L12  ANSWER 1 OF 1  USPATFULL on STN
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Full Text | Citing References

```
AN      2004:177780  USPATFULL
TI      Shaving systems
IN      Anderson, Susan Rae, Pensacola, FL, UNITED STATES
        Taylor, Thomas H., Guilford, CT, UNITED STATES
PA      Eveready Battery Company, Inc., Westlake, OH (U.S. corporation)
PI      US 2004136944         A1  20040715
AI      US 2003-692247        A1  20031023 (10)
PRAI    US 2002-424361P       20021106 (60)
DT      Utility
FS      APPLICATION
LN.CNT 708
INCL    INCLM: 424/073.000
NCL     NCLM:  424/073.000
IC      [7]
        ICM    A61K007-15
        IPCI   A61K0007-15 [ICM,7]
        IPCR   B26B0021-00 [I,C*]; B26B0021-44 [I,A]


=> s 12 and 18
L13           7 L2 AND L8

=> d 1-7

L13  ANSWER 1 OF 7  USPATFULL on STN
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Full Text | Citing References

```
AN      2005:119919  USPATFULL
TI      Shaving soap and aftershave gel and methods of use thereof
IN      Mitchell, Jr., Clarence, Nashville, TN, UNITED STATES
        Sanders, Willard, Old Hickory, TN, UNITED STATES
PA      Mitchell & Sons, LLC, Nashville, TN, UNITED STATES (U.S. corporation)
PI      US 6893631            B1  20050517
AI      US 2002-171150            20020613 (10)
PRAI    US 2001-298222P       20010614 (60)
DT      Utility
FS      GRANTED
LN.CNT 658
INCL    INCLM: 424/073.000
        INCLS: 424/401.000
NCL     NCLM:  424/073.000
        NCLS:  424/401.000
IC      [7]
        ICM    A61K007-06
        ICS    A61K007-15
        IPCI   A61K0007-06 [ICM,7]; A61K0007-15 [ICS,7]
        IPCR   A61K0008-30 [I,C*]; A61K0008-34 [I,A]; A61K0008-36 [I,A];
               A61K0008-92 [I,C*]; A61K0008-92 [I,A]; A61Q0009-02 [I,C*];
               A61Q0009-02 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A]
EXF     424/73; 424/401
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13  ANSWER 2 OF 7  USPATFULL on STN
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Full Text | Citing References

AN 2004:177780 USPATFULL
TI Shaving systems
IN Anderson, Susan Rae, Pensacola, FL, UNITED STATES
Taylor, Thomas H., Guilford, CT, UNITED STATES
PA Eveready Battery Company, Inc., Westlake, OH (U.S. corporation)
PI US 2004136944 A1 20040715
AI US 2003-692247 A1 20031023 (10)
PRAI US 2002-424361P 20021106 (60)
DT Utility
FS APPLICATION
LN.CNT 708
INCL INCLM: 424/073.000
NCL NCLM: 424/073.000
IC [7]
ICM A61K007-15
IPCI A61K0007-15 [ICM,7]
IPCR B26B0021-00 [I,C*]; B26B0021-44 [I,A]

L13 ANSWER 3 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2004:120036 USPATFULL
TI Cosmetic preparations for shaving using a shaving device
IN Heike, Kerstin, Hamburg, GERMANY, FEDERAL REPUBLIC OF
Kaden, Waltraud, Halstenbek, GERMANY, FEDERAL REPUBLIC OF
Gohla, Sven, Hamburg, GERMANY, FEDERAL REPUBLIC OF
PA Beiersdorf AG (non-U.S. corporation)
Koninklijke Philips Electronics (non-U.S. corporation)
PI US 2004091441 A1 20040513
AI US 2003-443585 A1 20030522 (10)
RLI Continuation of Ser. No. WO 2001-EP13512, filed on 21 Nov 2001, UNKNOWN
PRAI DE 2000-10057925 20001122
DT Utility
FS APPLICATION
LN.CNT 661
INCL INCLM: 424/070.130
INCLS: 424/070.240
NCL NCLM: 424/070.130
NCLS: 424/070.240
IC [7]
ICM A61K007-06
ICS A61K007-11; A61K007-075; A61K007-08
IPCI A61K0007-06 [ICM,7]; A61K0007-11 [ICS,7]; A61K0007-075 [ICS,7];
A61K0007-08 [ICS,7]
IPCR A61K0008-00 [I,C*]; A61K0008-00 [I,A]; A61K0008-30 [I,C*];
A61K0008-37 [I,A]; A61K0008-44 [I,A]; A61K0008-72 [I,C*];
A61K0008-73 [I,A]; A61K0008-81 [I,A]; A61K0008-86 [I,A];
A61K0008-92 [I,C*]; A61K0008-92 [I,A]; A61Q0009-02 [I,C*];
A61Q0009-02 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 4 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2003:81443 USPATFULL
TI Whole body skin enhancement waterless **shaving system** and gel creams
used therein
IN Armbruster, Joseph M., 2700 NE. 47 St., Lighthouse Point, FL, United

States 33064
Armbruster, Sue B., 2700 NE. 47 St., Lighthouse Point, FL, United States 33064
PI US 6537534 B1 20030325
AI US 1995-550002 19951030 (8)
RLI Continuation-in-part of Ser. No. US 1994-317813, filed on 4 Oct 1994, now abandoned
DT Utility
FS GRANTED
LN.CNT 560
INCL INCLM: 424/073.000
NCL NCLM: 424/073.000
IC [7]
ICM A61K007-15
IPCI A61K0007-15 [ICM,7]
IPCR A61K0008-19 [I,C*]; A61K0008-26 [I,A]; A61K0008-30 [I,C*]; A61K0008-34 [I,A]; A61K0008-36 [I,A]; A61K0008-37 [I,A]; A61K0008-92 [I,C*]; A61K0008-92 [I,A]; A61Q0009-02 [I,C*]; A61Q0009-02 [I,A]
EXF 424/73

L13 ANSWER 5 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2002:262048 USPATFULL
TI Shaving composition and method
IN Ruben, Bradley N., 463 First St., #5A, Hoboken, NJ, United States 07030
PI US 6461599 B1 20021008
AI US 1994-319131 19941006 (8)
RLI Continuation-in-part of Ser. No. US 1993-59781, filed on 10 May 1993, now abandoned
DT Utility
FS GRANTED
LN.CNT 303
INCL INCLM: 424/073.000
NCL NCLM: 424/073.000
IC [7]
ICM A61K007-15
IPCI A61K0007-15 [ICM,7]
IPCR A61K0008-04 [I,C*]; A61K0008-04 [I,A]; A61Q0009-02 [I,C*]; A61Q0009-02 [I,A]
EXF 424/73; 424/401; 424/70.1; 514/846; 514/848; 514/844
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L13 ANSWER 6 OF 7 USPATFULL on STN

Full Text | Citing References

AN 89:86574 USPATFULL
TI Shaving articles lubricious when wet and compositions therefor
IN Creasy, Walter S., Bridgewater, NJ, United States
Lorenz, Donald H., Basking Ridge, NJ, United States
PA Hydromer, Inc., Whitehouse, NJ, United States (U.S. corporation)
PI US 4875287 19891024
AI US 1986-931399 19861114 (6)
DT Utility
FS Granted
LN.CNT 553
INCL INCLM: 030/034.010
INCLS: 030/090.000; 030/041.000; 525/127.000
NCL NCLM: 030/034.050

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       NCLS:  030/041.000; 030/537.000; 525/127.000
IC     [4]
       ICM    B26B021-44
       IPCI   B26B0021-44 [ICM,4]; B26B0021-00 [ICM,4,C*]
       IPCR   B26B0021-00 [I,C*]; B26B0021-44 [I,A]
EXF    030/41; 030/90; 428/425.8; 525/127

L13  ANSWER 7 OF 7  USPATFULL on STN
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Full Text | Citing References

```
AN     89:79698  USPATFULL
TI     Disposable razor using piston movement for dispensing shaving materials
IN     McComas, James L., 15180 Fern, Boulder Creek, CA, United States  95006
PI     US 4868982              19890926
AI     US 1988-182132          19880415 (7)
DT     Utility
FS     Granted
LN.CNT 459
INCL   INCLM: 030/041.000
       INCLS: 030/086.000; 030/090.000
NCL    NCLM:  030/041.000
       NCLS:  030/535.000
IC     [4]
       ICM    B26B021-44
       IPCI   B26B0021-44 [ICM,4]; B26B0021-00 [ICM,4,C*]
       IPCR   B26B0021-00 [I,C*]; B26B0021-44 [I,A]
EXF    030/41; 030/86; 030/87; 030/90; 220/541


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     (FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

     FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007
L1          376 S (SHAVING SYSTEM OR SHAVING STRI)
L2          383 S (SHAVING SYSTEM OR SHAVING STRIP)
L3          118 S (SHAVING SYSTEM OR SHAVING STRIP)/CLM
L4          257 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)
L5           46 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM
L6        11167 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)
L7         2607 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM
L8       193327 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L9            0 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L10       18816 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L11          10 S L4 AND L6 AND L8
L12           1 S L2 AND L11
L13           7 S L2 AND L8

=> s l3 and l10
L14           1 L3 AND L10

=> d

L14  ANSWER 1 OF 1  USPATFULL on STN
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Full Text | Citing References

```
AN     2004:177780  USPATFULL
TI     Shaving systems
IN     Anderson, Susan Rae, Pensacola, FL, UNITED STATES
       Taylor, Thomas H., Guilford, CT, UNITED STATES
```

PA Eveready Battery Company, Inc., Westlake, OH (U.S. corporation)
PI US 2004136944 A1 20040715
AI US 2003-692247 A1 20031023 (10)
PRAI US 2002-424361P 20021106 (60)
DT Utility
FS APPLICATION
LN.CNT 708
INCL INCLM: 424/073.000
NCL NCLM: 424/073.000
IC [7]
ICM A61K007-15
IPCI A61K0007-15 [ICM,7]
IPCR B26B0021-00 [I,C*]; B26B0021-44 [I,A]

=> **d l13 an ti pi kwic 1-7**

L13 ANSWER 1 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2005:119919 USPATFULL
TI Shaving soap and aftershave gel and methods of use thereof
PI US 6893631 B1 20050517
SUMM Other shaving systems or methods have also been provided. Examples 15 include U.S. Pat. No. 5,665,340, which discloses a **shaving system**. Also, U.S. Pat. No. 6,014,975, which discloses a method of shaving, which includes the step of providing a bath comprising. . . 5,403,864 describes a rapidly-acting topical alcohol base anti-microbial composition using Tricolsan and Chloroxylenol. U.S. Pat. No. 5,956,848 discloses a wet **shaving system** with a polymeric shaving aid composite mounted to the razor as adjacent exposed lengthwise-extending portions.
SUMM . . . sulfonate; about 1% to about 25% by weight of lauramide DEA; about 0.1% to about 0.7% by weight of tetrasodium **EDTA**; and about 0.05% to about 1.0% by weight of 2-hydroxyl-1,2,3 propanetricarboxylic acid. In certain embodiments, the surfactant package has a. . .
SUMM

Ingredient	% by weight
Ammonium Laureth Sulfate	30-85
Ammonium C_{14-16} Olefin Sulfonate	2-60
Lauramide DEA	1-25
Tetrasodium **EDTA**	0.1-0.7
2-Hydroxyl-1,2,3 Propanetricarboxylic Acid	0.05-1.0

SUMM Tetrasodium **EDTA** (commercially available from Pilot Chemical, 11756 Burke St., Santa Fe Springs, Calif. 90670) acts as a **chelating** agent to improve long term UV stability, and 2-hydroxyl-1,2,3-propanetricarboxyic acid (commercially available from Pilot Chemical, 11756 Burke St., Santa Fe. . .
DETD

Ingredient	weight	% by weight
Ammonium Laureth Sulfate	65.17 grams	65.17
Ammonium C_{14-16} Olefin Sulfonate	32.02 grams	32.02
Lauramide DEA	2.25 grams	2.25
Tetrasodium **EDTA**	0.39 grams	0.39
2-Hydroxyl-1,2,3 Propanetricarboxylic Acid	0.17 grams	0.17

CLM What is claimed is:
. . . sulfonate; about 1% to about 25% by weight of lauramide DEA; about 0.1% to about 0.7% by weight of tetrasodium **EDTA**; and about 0.05% to about 1.0% by weight of 2-hydroxyl-1,2,3 propanetricarboxylic acid.

L13 ANSWER 2 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2004:177780 USPATFULL
TI Shaving systems
PI US 2004136944 A1 20040715
AB . . . blade member and a skin engaging portion in proximity to the blade member, wherein the skin engaging portion includes a **chelating** agent capable of reducing the amount of insoluble metal salts in an aqueous liquid containing the insoluble metal salts, e.g., hard water. The **chelating** agent may be incorporated into a shaving aid strip or into another component of the **shaving system**, e.g., the leading edge or trailing edge of the shaving head. Alternatively, the **chelating** agent may be provided as a coating, optionally with water-sensitive polymers, to the skin engaging portion of the **shaving system**.
SUMM [0002] The present invention generally relates to shaving systems, i.e., razors, and more specifically relates to shaving systems which contain **chelating** agents capable of reducing the amount of insoluble metal salts in aqueous liquids containing insoluble metal salts e.g., water used. . .
SUMM . . . lead to unsightly appearance of the blades and increased shaving discomfort and a decrease in the useful life of the **shaving system**.
SUMM [0006] In accordance with the present invention, improved shaving systems are provided which contain **chelating** agents capable of reducing the amount of insoluble metal salts in aqueous liquids containing the insoluble metal salts, e.g. hard water. The **chelating** agent can be present in a shaving aid strip or in another component of the **shaving system** such as, for example, the shaving head. In a preferred aspect of the invention, the **chelating** agent can be provided by coextruding the **chelating** agent with thermoplastic polymers used in the shaving aid strip or other components of the **shaving system**, or by delivering the **chelating** agent in a liquid form, i.e., from a reservoir or cavity in the shaving head. Alternatively, in another preferred aspect of the invention, the **chelating** agent can be provided as a coating such as, for example, as a component in a lubricious polymer coating applied. . .
DRWD [0008] FIG. 1 is a perspective view of a **shaving system** in accordance with the present invention.
DETD [0010] The **chelating** agents suitable for use in accordance with the present invention include those capable of reducing the amount of insoluble metal salts in the aqueous liquid. The **chelating** agents include compounds or polymers having at least one functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt. As used herein, the term "**chelate**" includes coordination compounds in which a metal ion such as calcium or magnesium is attached by coordinate links to one or more nonmetal atoms in the same molecule (also referred to in the art as ligands). One or more **chelating** agents can be used in the shaving systems of the present invention.
DETD [0011] The particular **chelating** agents suitable for use in accordance with the present invention are not critical. However, the **chelating** agents selected should be safe for human use. They may be polymeric or nonpolymeric. When in polymeric form, the **chelating** agents will typically have a molecular weight from about 300 to 10,000,000 grams per

gram mole ("g/mol") with a range. . . known to those skilled in the art. One such technique is gel permeation chromatography. Preferably when in polymeric form, the **chelating** agents are compatible with other polymers used in the **shaving system**. That is, the **chelating** agent can be coextruded with other polymers used in the **shaving system**, e.g., polyethylene oxide or polystyrene, and form a reasonably homogenous blend. Quite advantageously, in accordance with the present invention, the **chelating** agent can be provided as a separate polymer, i.e., in addition to the other polymers used in the **shaving system**, or **chelating** functionality can be added to one of the other polymers used in the **shaving system**, e.g., the water-sensitive polymers or water-insoluble polymers (hereinafter described). For example, other polymers typically used in the **shaving system**, e.g., polymers used to provide lubricity or structural rigidity, can be derivitized to contain the **chelating** functionality. Alternatively, monomers containing the desired **chelating** functionality can be copolymerized with other monomers used in the **shaving system** to obtain the desired polymer.

DETD [0012] Typical **chelating** agents suitable for use in accordance with the present invention may contain one or more of the following functional groups: sulfonates, phosphates, phosphines, phosphites, carboxylic acids, amines and silicates. Examples of **chelating** agents include ethylenediaminetetracetic acid ("**EDTA**"), nitritotriacetic acid, ethylene glycol-bis-(β-aminoetyl ether)-N,N-tetraacetic acid, (ethlenedioxy)-diethylene-dinitrilo-tetra-acetic acid, salicylaldoxime, quinolinol, diaminocyclohexanne-tetra-acetic acid, diethylene-triamino-penta-acetic acid, dimethylglyoxime, benzoin oxime, triethylenetramine, desferrioxamine calcium disodium **EDTA**, dipotassium **EDTA**, disodium **EDTA**, methyl cyclodextrin, pentenic acid, **potassium citrate**, sodium citrate, sodium gluconate, **sodium metasilicate**, tetrasodium **EDTA**, trisodium **EDTA** and poly(sodium 4-styrenesulfonate). Further examples of **chelating** agents are described, for example, in U.S. Pat. No. 5,487,884 issued Jan. 30, 1996, U.S. Pat. No. 5,741,945 issued Apr.. . .

DETD [0013] Preferred **chelating** agents for use in accordance with the present invention have functional groups selected from the group consisting of $(--SO_x^{-y})$ $(Z+w)$,. . . any alkyl, aryl or aryl alkyl group, Z is any cation(s) and w is 1, 2, 3 or 4. Preferred **chelating** agents include calcium disodium **EDTA**, dipotassium **EDTA**, disodium **EDTA**, methyl cyclodextrin, pentenic acid, **potassium citrate**, sodium citrate, sodium gluconate, **sodium metasilicate**, tetrasodium **EDTA**, trisodium **EDTA**, poly(sodium 4-styrenesulfonate). An especially preferred **chelating** agent is poly(sodium 4-styrenesulfonate).

DETD [0014] Preferably, the **chelating** agents suitable for use and in accordance with the present invention are effective to reduce the amount of insoluble metal. . .

DETD [0015] Further details concerning the selection of suitable **chelating** agents can be determined by those skilled in the art.

DETD [0017] Referring to FIG. 1, a **shaving system** 10 is provided which includes a shaving head 11 including a skin engaging portion 12 in which three blade members. . . handle and cartridge are disposed of together as a unit after one or more uses. As used herein, the term "**shaving system**" is intended to include both types of shaving heads.

DETD [0018] The **shaving system** components, e.g., shaving head 11 or shaving aid strip 14, are typically comprised of one or more thermoplastic water-insoluble polymers which provide structural integrity to the **shaving system**. The particular water-insoluble polymers are not critical to the present invention. Examples of suitable water-insoluble polymers for use in the. . . polyacetal,

acrylonitrile-butadiene-styrene copolymer, ethylene vinyl acetate copolymer, polyurethanes and mixtures thereof. Typically, when water-insoluble polymers are present in the various **shaving system** components, they are present in an amount of at least 5 weight percent, preferably from about 10 to 100 weight percent, and more preferably from about 20 to 50 weight percent, based upon the total weight of the **shaving system** component. Suitable water-insoluble polymers are commercially available. Further details concerning the selection and amounts of the water-insoluble polymers are known. . .

DETD [0023] Typically, when water-sensitive polymers are utilized in the various **shaving system** components, they are present in an amount of from about 1 to 100 percent, preferably from about 10 to 90 weight percent and more preferably from about 50 to 80 weight percent, based on the total weight of **shaving system** component. Suitable water-sensitive polymers are commercially available. Further details concerning the selection and amount of the water-sensitive polymers, including blends. . .

DETD [0024] **Shaving system** components of the present invention may be fabricated by any appropriate method, including, for example, injection molding and extrusion. For. . .

DETD . . . constant. Under a bath of cool dry air, the molten material is cooled until no longer pliable. Once cooled, the **shaving system** component can be further processed as desired.

DETD [0027] In a preferred aspect of the invention, the **chelating** agent is provided to an internal portion of a **shaving system** component, e.g., the guard or cap of the shaving head or the shaving aid strip, by blending and coextruding the **chelating** agent with the polymers used to make the **shaving system** component. For example, in the manufacture of a shaving head, poly(sodium 4-styrene sulfonate) may be blended with polystyrene and extruded to form the housing of the shaving head. When the **chelating** agent is provided to an internal portion of the **shaving system** component, it is typically provided in an amount of from about 0.1 to 10 weight percent, preferably from about 0.5. . . to 6 weight percent, more preferably from about 1 to 4 weight percent, based on the total weight of the **shaving system** component. Alternatively, the skin engaging portion of the shaving head may be provided with a reservoir or cavity containing a liquid which comprises the **chelating** agent and optionally other conventional shaving aid ingredients (further described below). The liquid may be delivered through holes in the shaving head such as disclosed in U.S. Pat. No. 6,298,558, issued Oct. 9, 2001. In such cases where the **chelating** agent is subject to extrusion or other molding conditions, it is preferred that the **chelating** agent has a decomposition temperature which is higher than the processing temperature. Preferably, the **chelating** agents of the present invention have a decomposition temperature of at least 150° C., more preferably at least about 200°. . . C. and most preferably at least about 250° C. Thus, in this aspect of the invention, there is provided a **shaving system** component comprising a solid polymeric element having an outer surface and an internal portion, the polymeric element comprising: (i) at least one of a water-sensitive polymer and (ii) a water-insoluble polymer; and the **chelating** agent.

DETD [0028] In an especially preferred aspect of the invention, the **chelating** agent is provided in conjunction with a shaving aid strip. Typically, the shaving aid strip is fixed in an opening. . . about 0.5 to 6 weight percent and more preferably from about 1 to 4 weight percent of one or more **chelating** agents, based on the total weight of the shaving aid strip.

DETD [0030] In another aspect of the invention, the **chelating** agent is provided as a coating to at least a portion of the skin engaging portion

of the **shaving system**. Advantageously, the **chelating** agent can be included with water-sensitive polymers to provide a lubricious-when-wet coating to the shaving device. As used herein the. . . 1989; U.S. Pat No. 5,620,738 issued Apr. 15, 1997 and U.S. Pat. No. 5,091,205 issued Feb. 25, 1992. When the **chelating** agent is provided to the **shaving system** as a coating, it is typically present in an amount of from about 0.1 to 10.0 weight percent, preferably from. . . of about 1.0 weight percent to 4.0 weight percent, based on the total weight of solids, i.e. polymers plus the **chelating** agent, in the coating liquid. When the **chelating** agent is applied in the form of a coating, the decomposition temperature of the **chelating** agent is not significant, as it is in the case when the **chelating** agent is coextruded with other polymers which comprise the **shaving system** component.

DETD . . . and are not intended to limit the scope of the claims which follow. The experiments demonstrate the ability of a **chelating** agent (PSSNa) to complex with metal ions of an insoluble metal salt (calcium carbonate) of an aqueous liquid containing the salt in accordance with the present invention. Those skilled in the art can select other **chelating** agents for the particular insoluble salts to be removed by following the examples set forth below. The following chemical products.

. .

DETD [0032] This experiment demonstrates the ability of a **chelating** agent to complex with metal ions in water. In twelve separate beakers, one gram of $CaCO_3$ was added to each. . . excess of insoluble metal salt. The beakers were separated into four groups of three beakers. In the first group, no **chelating** agent was added. In the second group 1.000 g of PSSNa was added to each of the three beakers. In. . .

DETD . . . includes aspects wherein more than one shaving aid strip is provided and at least one shaving aid strip comprises the **chelating** agent. In addition, the invention includes an aspect wherein a shaving aid strip is provided which does not contain achelating agent, instead the **chelating** agent may be provided in another portion of the skin engaging portion of the **shaving system**. Also, it is noted that all documents referenced herein are incorporated by reference as if set out in full.

CLM What is claimed is:

1. A **shaving system** comprising a blade member and a skin engaging portion in proximity to the blade member, the skin engaging portion including a **chelating** agent capable of reducing the amount of an insoluble metal salt in an aqueous liquid containing the insoluble metal salt.

. . .

2. The **shaving system** of claim 1 wherein the skin engaging portion comprises at least one of a water-sensitive polymer and a water-insoluble polymer.

. . .

3. The **shaving system** of claim 1 wherein the skin engaging portion includes a solid polymeric shaving aid strip comprising a water-sensitive polymer and the **chelating** agent.

4. The **shaving system** of claim 1 wherein the **chelating** agent is a polymer having a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

5. The **shaving system** of claim 1 wherein the **chelating** agent is a non-polymer.

6. The **shaving system** of claim 1 wherein the skin engaging portion has a reservoir containing a liquid, said liquid comprising the **chelating** agent.

7. The **shaving system** of claim 1 wherein the **chelating** agent has a decomposition temperature of at least about 150° C.

8. The **shaving system** of claim 1 wherein the **chelating** agent has a decomposition temperature of at least about 200° C.

9. The **shaving system** of claim 1 wherein the **chelating** agent has a functional group selected from the group consisting of $(--SO_x^{-Y})$ $(Z+w)$, $(--PO_x^{-Y})$ $(Z+w)$, $(R--COO^{-Y})$ $(Z+x)$, where x is. . .

10. The **shaving system** of claim 1 wherein the **chelating** agent is selected from the group consisting of **EDTA**, calcium disodium **EDTA**, dipotassium **EDTA**, disodium **EDTA**, methyl cyclodextrin, pentenic acid, **potassium citrate**, sodium citrate, sodium gluconate, **sodium metasilicate**, tetrasodium **EDTA**, trisodium **EDTA**, poly(sodium 4-styrenesulfonate) and mixtures thereof.

11. The **shaving system** of claim 10 wherein the **chelating** agent is poly(sodium 4-styrenesulfonate).

12. A **shaving system** component comprising a polymeric element having an outer surface and an internal portion, the polymeric element comprising; (i) at least one of a water-sensitive polymer and (ii) a water-insoluble polymer, and a **chelating** agent capable of reducing the amount of an insoluble metal salt from an aqueous liquid containing the insoluble metal salt.

. . .

13. The **shaving system** component of claim 12 wherein at least one of the water-sensitive polymer or the water-insoluble polymer has a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

14. The **shaving system** component of claim 12 wherein the **chelating** agent is a polymer, different from the water-sensitive polymer and the water-insoluble polymer, having a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

15. The **shaving system** component of claim 12 wherein the **chelating** agent is provided as a coating on the outer surface of the **shaving system** component.

16. The **shaving system** component of claim 12 wherein the **chelating** agent is provided in the internal portion of the **shaving system** component.

17. The **shaving system** component of claim 16 wherein the **chelating** agent has a decomposition temperature of at least 150° C.

18. A shaving aid strip comprising a water-sensitive polymer and a **chelating** agent.

. . . wherein at least one of the water-sensitive polymer or the water-insoluble polymer has a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

23. The shaving aid strip of claim 20 wherein the **chelating** agent is a polymer, different from the water-sensitive polymer and the water-insoluble polymer, having a functional group capable of forming a **chelate** with a metal ion of the insoluble metal salt.

24. The shaving aid strip of claim 18 wherein **chelating** agent has a decomposition temperature of at least about 150° C.

25. The shaving aid strip of claim 18, which comprises from about 0.1 to 10 weight percent of the **chelating** agent based on the total weight of the shaving aid strip.

26. The shaving aid strip of claim 18 which comprises from about 0.5 to 6 weight percent of the **chelating** agent based on the total weight of the shaving aid strip.

L13 ANSWER 3 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2004:120036 USPATFULL
TI Cosmetic preparations for shaving using a shaving device
PI US 2004091441 A1 20040513
SUMM [0010] WO98/08659 describes a **shaving system** which comprises an electric shaver and a container. The shaver comprises a shaving head and a hair-collecting chamber which can. . .
SUMM [0012] WO98/47474 describes, for example, a shaving liquid for a **shaving system** which comprises water as the main constituent, and also customary additives and a surface-active agent, where the shaving liquid is. . .
DETD [0116] Complexing agents, in particular **chelating** agents, form complexes with metal atoms. In the presence of one or more polybasic complexing agents, i.e. **chelating** agents, these complexes are metallocycles. **Chelates** are compounds in which a single ligand occupies more than one coordination site on a central atom. In this case,. . . number of bonded ligands depends on the coordination number of the central metal. A prerequisite for the formation of the **chelate** is that the compound reacting with the metal contains two or more atomic groups which act as electron donors.
DETD . . . acid and anions thereof, citric acid and anions thereof, aminopolycarboxylic acids and anions thereof (such as, for example, ethylenediaminetetraacetic acid (**EDTA**) and anions thereof, nitrilotriacetic acid (NTA) and anions thereof, hydroxyethylenediaminotriacetic acid (HOEDTA) and anions thereof, diethyleneaminopentaacetic acid (DPTA) and anions. . .

L13 ANSWER 4 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2003:81443 USPATFULL
TI Whole body skin enhancement waterless **shaving system** and gel creams used therein
PI US 6537534 B1 20030325
TI Whole body skin enhancement waterless **shaving system** and gel creams used therein
AB A waterless **shaving system** including a method of shavings consisting of the steps of applying a shaving product in the form of a thin. . .
PARN This application is a continuation-in-part of our copending application U.S. Ser. No. 08/317,813 for RESILIENT WATERLESS **SHAVING SYSTEM** AND GEL CREAMS USED THEREIN filed Oct. 4, 1994 now abondoned.
SUMM The present invention generally relates to a waterless **shaving system** in which a shaving product in the form of a gel cream and a blade razor are utilized. In this. . .
SUMM An object of the present invention is to provide a **shaving system** and gel creams used in the system which are applied to dry, unwetted

skin which enables the hair to remain. . .
SUMM Another object of the invention is to provide a **shaving system** and gel creams which are clear/translucent in order to enable observation of pimples, moles, skin blemishes or the like when. . .
SUMM A further object of the invention is to provide a **shaving system** and gel creams in accordance with the preceding objects in which the gel creams include lubricating properties to prevent "dry". . .
SUMM Still another object of the invention is to provide a **shaving system** and gel creams in which the gel creams have a consistency or viscosity to avoid clogging the razor blade cartridge. . .
SUMM A still further object of the invention is to provide a **shaving system** and gel cream in which the light residual gel cream remaining on the skin area after shaving is not washed. . .
SUMM Still another significant feature of the present invention is to provide a **shaving system** and gel creams that enable women to shave skin areas in any desired location thereby eliminating the hazards of a. . .
SUMM Yet another object of this invention is to provide a **shaving system** and gel creams in which the gel cream is applied prior to shaving to the dry skin surface by placing. . .
SUMM Another significant use area of the **shaving system** and gel creams is in hospitals, nursing homes and similar institutions which facilitates blade shaving in bed by avoiding the. . .
DETD The **shaving system** and gel creams of the present invention are especially beneficial when used with resilient razors disclosed in co-pending applications Ser.. . . in the above co-pending applications is incorporated herein by reference thereto. The gel creams developed for use in the waterless **shaving system** are identified as "CL35" and include ten formulas or examples as follows:

DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%

Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Aloe Vera Gel 1-5%
Vitamin A Acetate .05-.5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%

Propylene Glycol .05-5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%
Vitamin C .1-3%
Vitamin. . .
DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-5%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
DiHyroxyactetone 1-8%
Aloe Vera Gel 1-5%
Vitamine A Acetate .1-.3%
Vitamine E Acetate 2-5%
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DETD . . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-8%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
DiHyroxyactetone 1-8%
Aloe Vera Gel 1-5%
Vitamine A Acetate .1-.3%
Vitamine E Acetate 2-5%
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CLM What is claimed is:
. . .
Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%
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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%
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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%

Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Aloe Vera Gel 1-5%
Vitamin A Acetate .05-.5%
Vitamin E Acetate .1-5%

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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Vitamin A Acetate .05-.5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%

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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%

Dimethicone .01-3%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
Aloe Vera Gel 1-5%
Vitamin E Acetate .1-5%
Vitamin C .1-3%
Vitamin. . .
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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-5%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
DiHyroxyacetone 1-8%
Aloe Vera Gel 1-5%
Vitamine A Acetate .1-.3%
Vitamine E Acetate 2-5%
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Methylparaben .005-.25%
Propylparaben .005-.25%
Carbomer 934 .01-3%
Dimethicone .01-8%
D&C Yellow 10 .0001-.1%
Disodium **EDTA** .002-.5%
Propylene Glycol .05-5%
DiHyroxyacetone 1-8%
Aloe Vera Gel 1-5%
Vitamine A Acetate .1-.3%
Vitamine E Acetate 2-5%
. . .

L13 ANSWER 5 OF 7 USPATFULL on STN

Full Text | Citing References

AN 2002:262048 USPATFULL
TI Shaving composition and method
PI US 6461599 B1 20021008
SUMM In any **shaving system**, and particularly those which extend the hair prior to cutting, there is a likelihood that the cut hair will reside.
. .
DETD . . . palmitic acid, PPG-11 stearyl ether, coconut acid, aloe vera gel, palm oil glyceride, lanolin, propylene glycol dicaprylate/dicaprate, cetyl alcohol, fragrance, **sodium metasilicate**, trisodium **EDTA**, propane, and coloring. (Available from Noxell Corporation, Hunt Valley, Md., as Medicated NOXEMA Aloe & Lanolin Shave cream.) A shaving. . .
DETD . . . formulation with the addition of abrasive particles. The composition may also include ingredients such as stearic acid, sodium lauryl sulfate, **EDTA**, and the like to aid in desquamation and exfoliation, as well as other conventionally added ingredients as in the compositions. . .

L13 ANSWER 6 OF 7 USPATFULL on STN

Full Text | Citing References

AN 89:86574 USPATFULL

TI Shaving articles lubricious when wet and compositions therefor
PI US 4875287 19891024
DETD . . . to FIG. 1 there can be seen a razor cartridge 10 of the type used in shaving instruments in a wet-**shaving system**. Conventionally, the razor cartridge 10 includes a blade cap 12 which fits cooperatively with a blade seat 14 to hold. . .
DETD . . . and inorganic salts, alcohols, amines, acids, polymer latices, resin or wax dispersions, fillers, fibers, cellulosics, surfactants, pigments, dyes, enzymes, proteins, **chelates**, thickeners, stabilizers, dyes, fragrances, and so forth. The blends of this invention are especially useful as carriers for a wide. . .

L13 ANSWER 7 OF 7 USPATFULL on STN

Full Text | Citing References

AN 89:79698 USPATFULL
TI Disposable razor using piston movement for dispensing shaving materials
PI US 4868982 19890926
SUMM . . . and comprises of water, increased amounts of stearic acid, coconut oil, potassium hydroxide, propylene glycol, sodium lauryl sulfoacetate, fragrance, and **sodium metasilicate**. Active ingredients include camphor, phenol (less than 1/2%), menthol, eucalyptus oil, clove oil, and peppermint oil.
SUMM . . . a common occurrence when handled with wet, soapy hands. Accordingly, there is a need for a simple, cheap-to-manufacture, single use, **shaving system** that is lightweight, disposable, portable, non-bulky, and contains in a single package all that is needed for shaving.

=> **s (shaving strip or lubric? strip)**
L15 228 (SHAVING STRIP OR LUBRIC? STRIP)

=> **d his**

(FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007
L1 376 S (SHAVING SYSTEM OR SHAVING STRI)
L2 383 S (SHAVING SYSTEM OR SHAVING STRIP)
L3 118 S (SHAVING SYSTEM OR SHAVING STRIP)/CLM
L4 257 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)
L5 46 S (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM
L6 11167 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)
L7 2607 S (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM
L8 193327 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L9 0 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L10 18816 S (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICATE)
L11 10 S L4 AND L6 AND L8
L12 1 S L2 AND L11
L13 7 S L2 AND L8
L14 1 S L3 AND L10
L15 228 S (SHAVING STRIP OR LUBRIC? STRIP)

=> **s l8 and l15**
L16 4 L8 AND L15

=> **d 1-4**

L16 ANSWER 1 OF 4 USPATFULL on STN

Full Text | Citing References

AN 2006:188566 USPATFULL
TI Crosslinked siloxane composite overcoat for photoreceptors
IN Qi, Yu, Oakville, CANADA
Hu, Nan-Xing, Oakville, CANADA
Bender, Timothy P., Mississauga, CANADA
Gagnon, Yvan, Mississauga, CANADA
Graham, John, Oakville, CANADA
Hsiao, Cheng-Kuo, Mississauga, CANADA
Hor, Ah-Mee, Mississauga, CANADA
PA XEROX CORPORATION, Stamford, CT, UNITED STATES (U.S. corporation)
PI US 2006160002 A1 20060720
AI US 2005-34713 A1 20050114 (11)
DT Utility
FS APPLICATION
LN.CNT 1049
INCL INCLM: 430/058.200
INCLS: 430/066.000
NCL NCLM: 430/058.200
NCLS: 430/066.000
IC IPCI G03G0005-147 [I,A]; G03G0005-047 [I,A]; G03G0005-043 [I,C*]
IPCR G03G0005-147 [I,A]; G03G0005-043 [I,C]; G03G0005-047 [I,A];
G03G0005-147 [I,C]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 2 OF 4 USPATFULL on STN

Full Text | Citing References

AN 2006:168219 USPATFULL
TI Variable curve catheter
IN Karmarkar, Parag, Columbia, MD, UNITED STATES
Lederman, Robert J, Chevy Chase, MD, UNITED STATES
PI US 2006142732 A1 20060629
AI US 2003-534362 A1 20031114 (10)
WO 2003-US36210 20031114
20051107 PCT 371 date
PRAI US 2002-60426542 20021115
DT Utility
FS APPLICATION
LN.CNT 530
INCL INCLM: 604/508.000
INCLS: 604/095.010
NCL NCLM: 604/508.000
NCLS: 604/095.010
IC IPCI A61M0031-00 [I,A]
IPCR A61M0031-00 [I,A]; A61M0031-00 [I,C]

L16 ANSWER 3 OF 4 USPATFULL on STN

Full Text | Citing References

AN 2005:146563 USPATFULL
TI Hydrophobically modified polysaccharide in personal care products
IN Modi, Jashawant J., Hockessin, DE, UNITED STATES
PA Hercules Incorporated, Wilmington, DE, UNITED STATES (U.S. corporation)
PI US 6905694 B1 20050614
AI US 1997-855779 19970512 (8)
DT Utility
FS GRANTED
LN.CNT 1027

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INCL    INCLM: 424/401.000
        INCLS: 424/059.000; 424/701.000; 424/702.000; 424/706.000; 424/073.000
NCL     NCLM:  424/401.000
        NCLS:  424/059.000; 424/073.000; 424/701.000; 424/702.000; 424/706.000
IC      [7]
        ICM    A61K007-48
        IPCI   A61K0007-48 [ICM,7]
        IPCR   A61K0008-72 [I,A]; A61K0006-00 [I,C*]; A61K0006-00 [I,A];
               A61K0008-30 [I,C*]; A61K0008-34 [I,A]; A61K0008-64 [I,A];
               A61K0008-72 [I,C*]; A61K0008-73 [I,A]; A61Q0005-02 [I,C*];
               A61Q0005-02 [I,A]; A61Q0005-06 [I,C*]; A61Q0005-06 [I,A];
               A61Q0005-12 [I,C*]; A61Q0005-12 [I,A]; A61Q0009-02 [I,C*];
               A61Q0009-02 [I,A]; A61Q0011-00 [I,C*]; A61Q0011-00 [I,A];
               A61Q0015-00 [I,C*]; A61Q0015-00 [I,A]; A61Q0017-04 [I,C*];
               A61Q0017-04 [I,A]; A61Q0019-00 [I,C*]; A61Q0019-00 [I,A];
               A61Q0019-10 [I,C*]; A61Q0019-10 [I,A]; C08B0011-00 [I,C*];
               C08B0011-00 [I,A]; C08B0037-00 [I,C*]; C08B0037-00 [I,A]
EXF     424/401; 424/70.1; 424/59; 424/70.2; 424/70.6; 424/73; 424/70.13;
        424/49; 424/402; 424/65; 514/944
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16  ANSWER 4 OF 4  USPATFULL on STN
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Full Text | Citing References

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AN      97:66160  USPATFULL
TI      Therapeutic-wound healing compositions and methods for preparing and
        using same
IN      Martin, Alain, 31 Country Club Dr., Ringoes, NJ, United States  08551
PI      US 5652274              19970729
AI      US 1995-445813          19950522 (8)
RLI     Continuation-in-part of Ser. No. US 1994-187435, filed on 27 Jan 1994,
        now abandoned which is a continuation of Ser. No. US 1991-798392, filed
        on 26 Nov 1991, now abandoned which is a continuation-in-part of Ser.
        No. US 1991-663500, filed on 1 Mar 1991, now abandoned
DT      Utility
FS      Granted
LN.CNT 9592
INCL    INCLM: 514/724.000
        INCLS: 514/461.000; 514/562.000; 514/567.000; 514/725.000; 514/774.000;
               514/784.000
NCL     NCLM:  514/724.000
        NCLS:  514/461.000; 514/562.000; 514/567.000; 514/725.000; 514/774.000;
               514/784.000
IC      [6]
        ICM    A61K031-45
        ICS    A61K031-07; A61K031-34; A61K047-00
        IPCI   A61K0031-45 [ICM,6]; A61K0031-07 [ICS,6]; A61K0031-045
               [ICS,6,C*]; A61K0031-34 [ICS,6]; A61K0047-00 [ICS,6]
        IPCR   A61K0008-30 [I,C*]; A61K0008-36 [I,A]; A61K0008-365 [I,A];
               A61K0031-185 [I,C*]; A61K0031-19 [I,A]; A61K0031-20 [I,A];
               A61K0031-352 [I,C*]; A61K0031-355 [I,A]; A61K0031-375 [I,C*];
               A61K0031-375 [I,A]; A61K0035-12 [I,C*]; A61K0035-12 [I,A];
               A61K0045-00 [I,C*]; A61K0045-06 [I,A]; A61L0015-16 [I,C*];
               A61L0015-44 [I,A]; A61L0017-00 [I,C*]; A61L0017-00 [I,A];
               A61L0026-00 [I,C*]; A61L0026-00 [I,A]; A61L0027-00 [I,C*];
               A61L0027-54 [I,A]; A61L0031-14 [I,C*]; A61L0031-16 [I,A];
               A61Q0011-00 [I,C*]; A61Q0011-00 [I,A]; A61Q0019-00 [I,C*];
               A61Q0019-00 [I,A]
EXF     514/724; 514/725; 514/461; 514/774; 514/784; 514/562; 514/567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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=> s (shaving strip)
L17         16 (SHAVING STRIP)

=> d his full

     (FILE 'HOME' ENTERED AT 22:12:34 ON 26 JAN 2007)

     FILE 'USPATFULL, USPAT2' ENTERED AT 22:12:44 ON 26 JAN 2007
L1          376 SEA (SHAVING SYSTEM OR SHAVING STRI)
L2          383 SEA (SHAVING SYSTEM OR SHAVING STRIP)
L3          118 SEA (SHAVING SYSTEM OR SHAVING STRIP)/CLM
L4          257 SEA (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)
L5           46 SEA (WATER-SENSITIVE POLYMER OR HYDROPHILLIC POLYMER)/CLM
L6        11167 SEA (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)
L7         2607 SEA (WATER-INSOLUBLE POLYMER OR HYDROPHOBIC POLYMER)/CLM
L8       193327 SEA (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICAT
                    E)
L9            0 SEA (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICAT
                    E)
L10       18816 SEA (CHELAT? OR EDTA OR POTASSIUM CITRATE OR SODIUM METASILICAT
                    E)/CLM
L11          10 SEA L4 AND L6 AND L8
L12           1 SEA L2 AND L11
                D
L13           7 SEA L2 AND L8
                D 1-7
L14           1 SEA L3 AND L10
                D
                D L13 AN TI PI KWIC 1-7
L15         228 SEA (SHAVING STRIP OR LUBRIC? STRIP)
L16           4 SEA L8 AND L15
                D 1-4
L17          16 SEA (SHAVING STRIP)


     FILE HOME

     FILE USPATFULL
     FILE COVERS 1971 TO PATENT PUBLICATION DATE: 25 Jan 2007 (20070125/PD)
     FILE LAST UPDATED: 25 Jan 2007 (20070125/ED)
     HIGHEST GRANTED PATENT NUMBER: US2007015693
     HIGHEST APPLICATION PUBLICATION NUMBER: US2007022507
     CA INDEXING IS CURRENT THROUGH 25 Jan 2007 (20070125/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Jan 2007 (20070125/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
     USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006


     FILE USPAT2

     FILE COVERS 2001 TO PUBLICATION DATE: 25 Jan 2007 (20070125/PD)
     FILE LAST UPDATED: 25 Jan 2007 (20070125/ED)
     HIGHEST GRANTED PATENT NUMBER: US2007005330
     HIGHEST APPLICATION PUBLICATION NUMBER: US2007022505
     CA INDEXING IS CURRENT THROUGH 23 Jan 2007 (20070123/UPCA)
     ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 25 Jan 2007 (20070125/PD)
     REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2006
     USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006
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